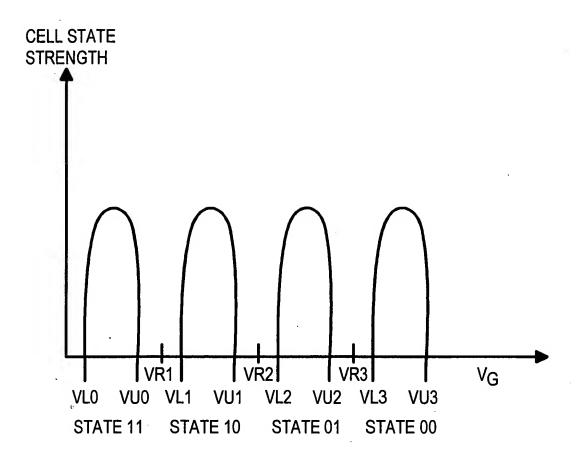
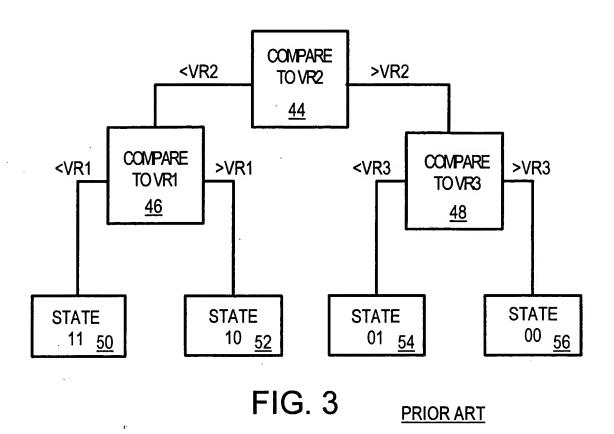


FIG. 1



PRIOR ART

FIG. 2



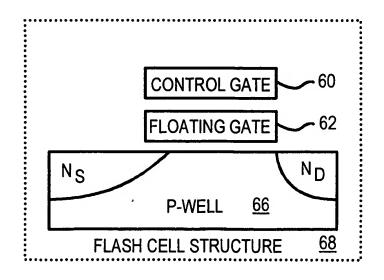


FIG. 4A

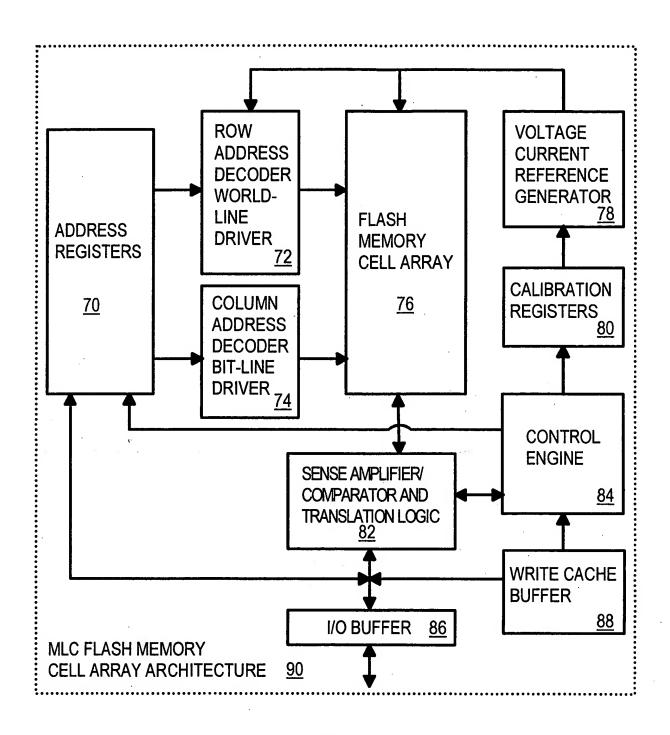
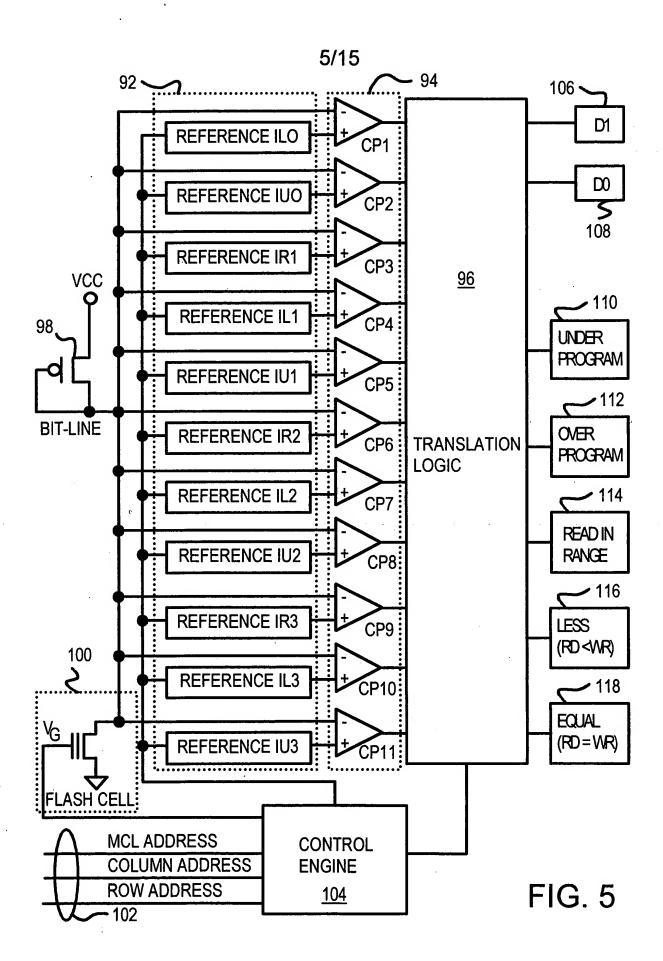


FIG. 4B



	PRIOR ART	INVENTION
CELL SIZE	READ ACCESS TIME	READ ACCESS TIME
2-BIT PER CELL	TC + 2TS + TR	TC + TS + TR
3-BIT PER CELL	TC + 3TS + TR	TC + TS + TR
N-BIT PER CELL	TC + nTS + TR	TC + TS + TR
	TC: READ ACCESS TIME FO	R FLASH CELL
	TS: SENSE AMP/COMPARAT	OR RESPONSE TIME
DEFINITIONS	TR: TRANSLATION LOGIC D	ECODING TIME

FIG. 6

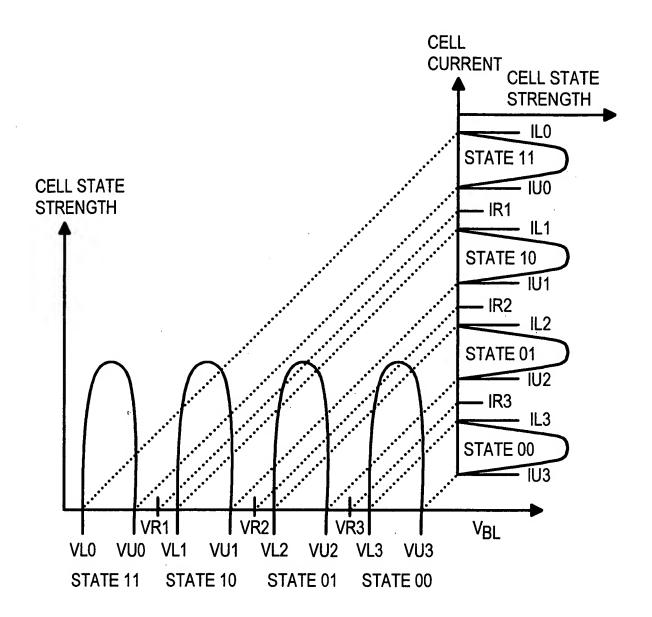
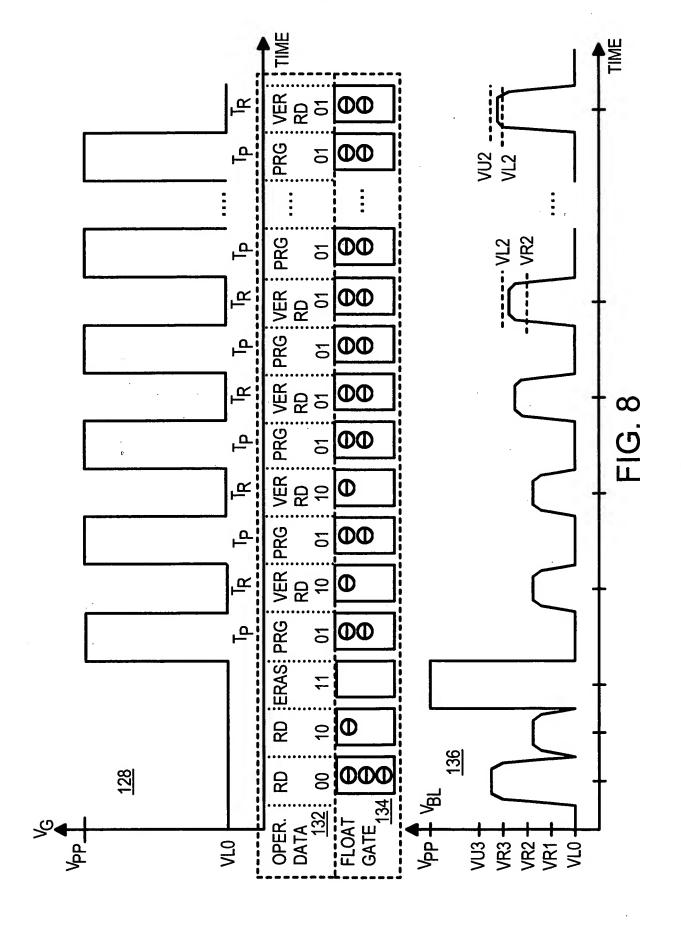
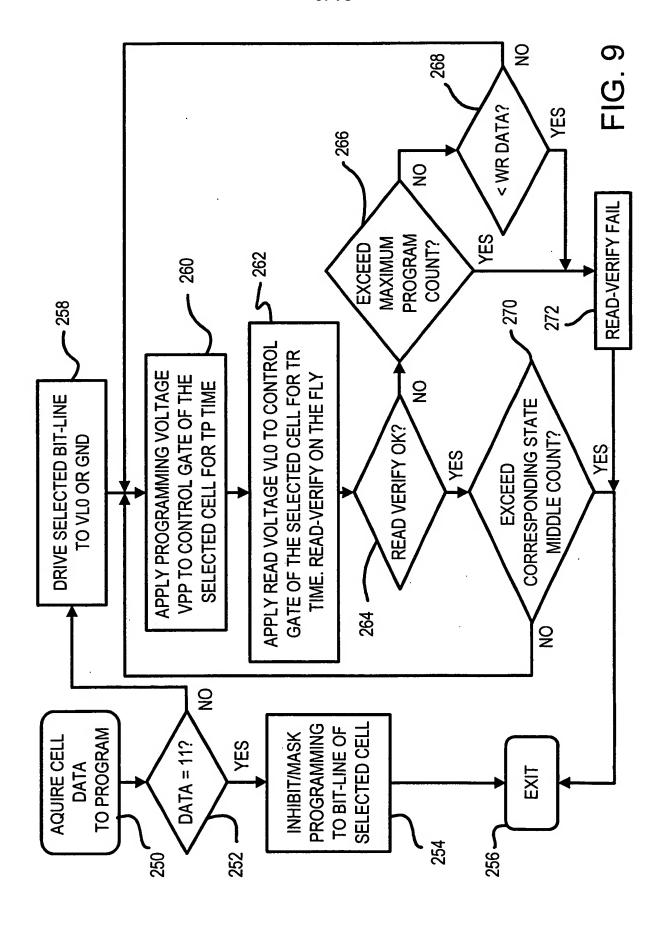


FIG. 7





月の 10

		SPER	-	0	0	-	0	0	-	0	0	-	0	0
		SE S	0	0	-	0	0	-	0	0	-	0	0	-
READ	ᆂ	RANGE	0	-	0	0	-	0	0	~	0	0	-	0
	8	8	-	-	-	0	0	0	-	-	-	0	0	0
	8	۵	-	~	-	-	-	-	0	0	0	0	0	0
		<u> </u>	-	-	-	-	-	-	-	~	~	~	-	0
		<u> </u>	-	-	-	~	-	-	-	-	~	-	0	0
		<u>ম</u>	~	~	~	~	-	_	-	-	~	0	0	0
		221	-	-	~	~	~	-	~	-	0	0	0	0
		12	-	~	~	-	-	-	-	0	0	0	0	0
		182	~	-	7	-	~	-	0	0	0	0	0	0
	•	5	1	1	1	1	-	0	0	0	0	0	0	0
		17	_	1	1	1	0	0	0	0	0	0	0	0
		₹	_	1	1	0	0	0	0	0	0	0	0	0
		2	_	7	0	0	0	0	0	0	0	0	0	0
		2	7	0	0	0	0	0	0	0	0	0	0	0
READ	S B B B	STATE	1	2	3	4	2	9	7	ω	တ	5	11	12

	IFY VERIFY	-	0	0	0	_	0	0	0	_	-	0	0	-		_	0
READ-	VERIFY EQUAL		0	0	0	0	_	0	0	0	0	_	0	0	0	0	-
	RD-D0	0	-	0	-	0	-	0	-	0	-	0	1	0	1	0	1
	RD-D1	0	0	-	1	0	0	1	1	0	0	1	1	0	0	1	Ļ
	WR-D0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
	WR-D1	0	0	0	0	0	0	0	0	1	1	1	. 1	-	1	7	-
READ-	VERIFY STATE	7	2	3	4	2	9	7	8	6	10	11	12	13	14	15	16

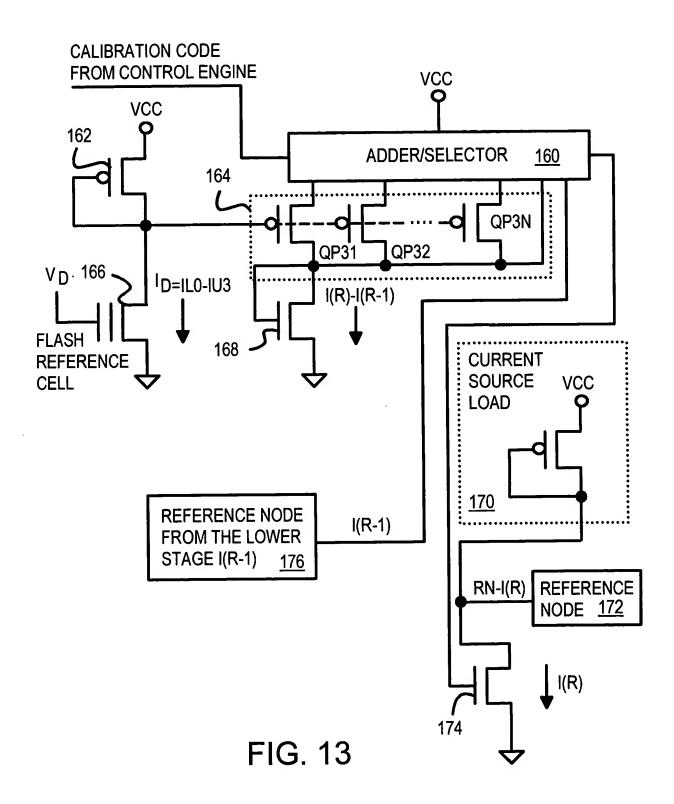
FIG. 11

CURRENT REFERENCE NODE	CURRENT REFERENCE
RN-IU3	IU3
RN-IL3	IL3 = IU3 + DELTA IL3
RN-IR3	IR3 = 1L3 + DELTA IR3
RN-IU2	1U2 = IR3 + DELTA 1U2
RN-IL2	IL2 = IU2 + DELTA IL2
RN-IR2	IR2 = IL2 + DELTA IR2
RN-IU1	1U1 = IR2 + DELTA 1U1
RN-IL1	IL1 = IU1 + DELTA IL1
RN-IR1	IR1 = IL1 + DELTA IR1
RN-IU0	IU0 = IR1 + DELTA IU0
RN-IL0	IL0 = IU0 + DELTA IL0

FIG. 12A

	DELTA REFERENCE	COKKEN	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	13/16	14/16	15/16
1/16		0 10 10 10 10 10 10 10 10 10 10 10 10 10	-	0	1	0	-	0	1	0	1	0	-	0	1	0	1
1/8	0	QF33	0	_	-	0	0	1	_	0	0	-	_	0	0	_	1
1/4	0	QP32	0	0	0	1	-	-	~	0	0	0	0	r	_	-	1
1/2	3	0	0	0	0	0	0	0	0	-	1	1	-	-	1	_	1
WEIGHT OF ID	CALIBRATION	CODE	•	2	က	4	5	9	7	œ	တ	10	11	12	13	14	15

FIG. 12B



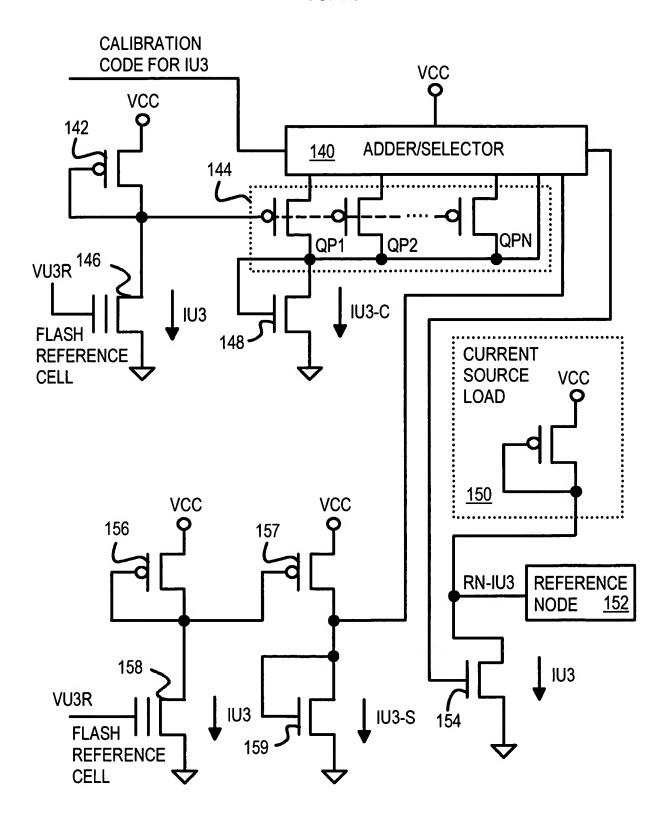


FIG. 14